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EETO Machinery

EETO Machinery Co. Ltd. is an integration of a laser cutting machine manufacturer and industrial machinery trading company based in south central China, Wuhan city, Hubei province. EETO Machinery is dedicated and committed to represent the highest quality in equipment and customer service.

The concept of EETO Machinery is to be a "Laser Supermarket". Our products include CO2, YAG, and fiber laser machines in all ranges of power that are already available in markets world-wide. In terms of application our products include cutting machines, marking machines and welding machines for nonmetal and metal processing. At EETO we also provide spare parts, technical services (including installation, training, repair, modification & upgrade, application guidance, and other services based on client's specific demand). EETO also provides other types of industrial machine procurement & sourcing services for clients in order to fulfill client's specific needs.

Company Culture

- ✓ Quality service is our main priority. Our motto: "Excellent service is our main product"
- ✓ Listening is the way. "Every word of our client's counts"
- ✓ Professional is what we stand for. "Machinery trading & services is our main focus"
- ✓ Cooperation under mutual benefits is our aim.
- ✓ "While conducting business we adhere to building strong & long term business relations."

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EETO-LY3015-620W Solution

620w YAG Laser Cutting Machine

Parameters

Technical parameter		Applicable material and Maximum Cutting Thickness	
Max. output power: 620W	Electrical source:380V/50HZ/100A	Cutting Material	Laser power:620W
Laser wavelength:1064nm	X,Y,Z axis geometric positioning accuracy:≤±0.08mm/1000mm	Carbon/Mild Steel	0.1-8mm
Pulse frequency:1--300HZ	X,Y,Z axis re-orientation accuracy:≤±0.04mm	Stainless steel	0.1-6mm
Min. line width:0.2mm	Max. Cutting speed:60mm/s(<=1mm metal)	Brass / Copper	0.1-3mm
/	/	Aluminum	0.1-5mm
/	/	Zinc	Max.2.5mm
/	/	Color or Silicon Plate	Max.2.5mm

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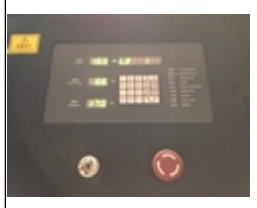
Configurations

Standard Machine Construction/Features	
	Gantry type mechanical structure,compact taking up small area A,One A,Up to Five tons in weight,12mm Thickness square steel tube and 25mm(T) steel panel. B,Beautiful and dignified in appearance,war industry techniques and backfire treatment;high working efficiency and steady performance,it can obtain more than 10 years lifespan.
	Working table 1,High precision CNC fixed working table; 2,Special designed small pneumatic wheel carriers ,the metal sheet to be cut slide along the machine body for easy loading; 3,Strip working table;Alu material,put cutting sheet on it .
	**Laser power supply system:** High quality Laser power supply and new upgrade Xenon lamps adopts the latest switching power supply (double-lamp pump), it consists of main circuit, control circuits, circuit protection, pre-ignition and maintain circuit with the flow, the pressure, water flow protection device We use numerical input control and laser power dynamic control, also we adopt high pressure cutting gas switch.
 	Germany Technology YAG Generator 1,The generator consist of YAG crystal rod,golden chamber,xenon lamp: lifetime of Xenon Lamp is about 500 hours , YAG crystal rod is long time for use, high quality Golden Chamber will be never broken) 2,This dual xenon-pumped laser is cost effective and easy to maintain;operators can replace the consumables and maintain the product independently after two days training. 3,The laser source and the laser beam transmit path has well sealed with stainless steel cover,it can protect any dust and dirty marks and protect all the optical lens.
	Optical System 1, When the laser beam come out,it will be transmitted by reflecting lens, amplifying lens, focusing lens, then it reflects a high intensity laser radiation to the metal surface, which accomplish laser cutting 2,Our imported beam expander lens can shorten the focal depth of the laser ,thus the focused energy is further concentrated to effectively improve the processing speed. 3,Red light preview functions:the red light as its coaxial instructions and works as the adjustment standard of the optical system as well as the instruction position of work spot.
 	Automatic Focusing Height Follower w/a fully sealed Z axis comparing before machine : USA improved technology and adopt China patents, An automatic sensor senses the capacitance from the tip of the isolated cutting nozzle to the metal being cut. This data is then fed into the Height Follower Controller;if the metal sheet have wavy surfaces,the focus height follower can ensure constant distance between the focal place and the place of the metal sheets to be cut,so that consistent cutting quality can be achieved,It can avoid defects caused by wavy metal surfaces and and also avoid the damage of the nozzle head.
	Control Handle: Light and compact with reliable performances.
 	New laser cutting head: **1,**Magnetic control,easy to disassemble and anti-crash protection. 2,It have the new dividing ruler which will be more easy to adjust the laser focus point, 3,The new laser head can install 2 type of laser focus lens, A,In the middle of the laser head, it can install focus lens F=100mm focus lens which can cut 2mm thickness metal sheet very fast ,1mm sheet around 4.8m/min but not suitable for 2mm above, B,On the top of the laser head ,it can install focus lens F=150mm focus lens which can cut metal sheet above 2mm sheet very good,but not suitable for cutting 2mm sheet below. So the client can use these 2types of laser focus lens based on the metal sheet thickness.
	Drive System 1,Imported servo motor system ensures the possibility of realizing extreme precise positioning with the excellent dynamic response acceleration property and closed loop control method, and that makes moving positioning mechanism operate smoothly, reliably and free of maintenance; 2,Motors in X,Y,Z axis; location accuracy: ≤±0.04mm

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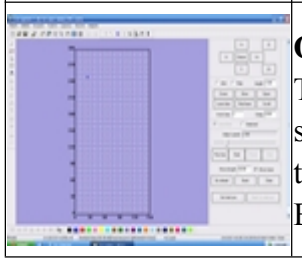
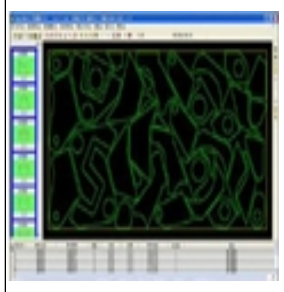
	Imported Ball Screw Transmission :D50mm,other similar supplier only use D25-30mm
	Imported Linear Guild rail: Higher speed noise volume is lower,ensure high accuracy and long service life.
	Automatic lubricate system for linear guild rails:at the right end of the machine w/ a automatic lubricate system that can lubricate the linear guild rails normally 480min/time,this time can be adjust also you can lubricate it manually.
	Imported Germany Brand Reduction Gear(used on our large working bed machine 2.5*1.3m and above) Installed on Y axis,it can protect the ball screw transmission and keep the smooth operation of the mechanism and shamble of the machine during cutting process.
 	Control System: Industrial PC,easy operation and automatic programming.Industrial control automation technology is widely used in the detection, control, optimization, scheduling, management and decision-making in production processes to improve product quality and output, lower cost and ensure safety. Industrial automation system mainly consists of three parts: software, hardware and system. One of the key roles in the system is played by the Industrial PC (IPC),we use famous brand components,such as brand Siemens and Schneider and all the wire is well arranged. Add special warning system in the control cabinet,when any suspend of the machine,the light on the top will be alarm.
	Cooling system 7p Precision Temperature-Control Display Water Chiller ,our chiller's compressor (imported famous brand), evaporator with high-quality titanium tubes (Stainless Steel Plate evaporator for non-standard products), circulating multi-stage pumps with stainless steel materials, refrigerant drying systems use filters, thermal expansion valve to get high-quality, high efficiency and low noise's performance. And turbo flow intellectual switch is for controlling the temperature of cooling water in laser lamp;the flow control is for ensuring long-term continuously operation of the laser generator. The refrigeration units with automatic control mode, the system has a high and low voltage protection, press overheat protection, current overload protection, three-phase power line phase and phase sequence protection, leak-proof electrical grounding protection, temperature setting adjustment and multi-function display, water tank low water level alarm, traffic to owe flow and high water temperature alarm output filter drier refrigeration system, circulating water filtration protection device to ensure the safe operation of the unit, and reliable. Other Competitors: In order to reduce production costs, used normal air conditioning cooling system which is used for home ,it have lower cost , intelligence and protection .
	Small air conditioner for cooling control cabinet,only our company have this features for control cabinet **1,C**ooling for electronic parts and laser power supply, keep the environmental temperature keep at 3-35celsius degree 2,Reduce the humidity, 3,Reduce the dust pollution for electronic parts, 4,With this air conditioner,the control cabinet can be fully sealed very well.
	Centrifugal Blower Low-noise centrifugal fan as the standard configuration could reduce metal dust pollution caused by indoor metal processing,enhance the employee's body health.Customer need to buy a dust collector by themselves,.
	**Operation Cut System Software,support AutoCAD, Coreldraw(1Sset):** The professional laser cutting software which supports cutting path in DXF, PLT,BMP and other graphic formats;capable of setting cutting parameters in different layers;combining joined lines to ensure automatic splice of curve nodes;smoothing fold lines to obtain smooth cuts;optimized immediately after the completion of graphic design,thus improve the productivity. By making use of the compensation function of this professional cutting software,various cutting accuracy grades may be obtained.

	**Nesting Software(1set):** 1,It provides full-featured management capabilities and complete cutting solution 2,Its features of optimization and co-ordination for multiple sheets significantly improve the comprehensive utilization rate. The advanced and practical function of cutting optimization improves the cutting efficiency and reduces the cutting cost considerably. 3,It is with strong graphics processing and import capabilities and it supports all versions formats of CAD file.Abundant functions of aggregating statistics and reporting data for cutting materials
	Laser Safety Goggles (1set): To prevent the laser damage to your eyes.

Running cost

Machine Consumables				**Customer Using Cost (In China)**		**Estimated Ernings(In China)**
Consumables name	Quantity	Lifespan(hours)	Cost(USD)	Electricity power:12-16KW	USD2.0/hour	Customer can use the machine for metal processing 1,Earnings:USD45.0-50.0/hour 2,Earnings:USD1.0/meter(process material length)
Xenon lamp	2pc	500	100.00/pc	Consumables(normal use)	USD1.2/hour	
Full reflection lens	1set	500	30.00/set	Oxygen(cutting T.>3MM.)	USD1.6/hour	
Half reflection lens	1set	1200	30.00/set	nitrogen(2mm<cutting T<3MM.)	USD2/hour	
Beam expander lens	1pc	500	30.00pc	air compressor(Cutting T<2MM.)	USD0.5/hour	
Focus Lens	1pc	800	100.00/pc	Remark:gas are optional		
Protection lens	1pc	300	20.00/pc	/	/	
Copper gas nozzle	1pc	1year	30.00/pc	/	/	
Remark:The above data are tested under on normal machine conditions,working 8hours/day.				Total:	Cost:USD3.7-USD6.0/hr	Earnings:USD45.0-80.0/hour

Price

Please contact for detail pricing.

Payment

30% T/T advance payment, 70% balance before shipment

Delivery time

Within 30days after advance payment

Warranty

Free for one year

Optional

Due to the long distance between the supplier and machine user, on-site technical support has become an difficulty for all manufactures. Online support is the most convenient way to solve most machine trouble shootings. As a result, on-site training is very important for each machine user to learn sufficient knowledge to operate the machine. Most laser manufacturers can only offer 5-7days installation and training services, which is not enough for comprehensive training. However, EETO can offer up to one month training as optional service.

VIII After-sales service:

A. We will supply the machine with training video and user's manual in English for installing, operation, maintenance and trouble-shooting, we will give technical guide by e-mail, fax, telephone/MSN/ICQ and so on, we have engineers give you professional services.

B. Our engineer will do door-to-door instruction training service at your local site. The visa, travel expenses and accommodation during the business trip will be burden by your side.